

T
TL 8506+
830
U581 G 49_s

WORK PROJECTS ADMINISTRATION

B I B L I O G R A P H Y

OF

A E R O N A U T I C S

Supplements

to

Part 5 - Seaplanes

Part 6 - Flying Boats

Part 7 - Amphibians

2

Compiled from the

INDEX OF AERONAUTICS

of the

INSTITUTE OF THE AERONAUTICAL SCIENCES

30 Rockefeller Plaza
New York City

This Index has been prepared for publication by
workers under the supervision of the

FEDERAL WORKS AGENCY

WORK PROJECTS ADMINISTRATION

For the City of New York

O.P. 65-1-97-21-W.P. 14

October
1940

Lo

CORNELL
UNIVERSITY
LIBRARY

FOREWORD
to
SUPPLEMENTARY BIBLIOGRAPHIES

Since the publication of the original fifty subjects of this Bibliography, many favorable comments have been received as to its usefulness. The demand from aeronautical organizations, both in the United States and abroad, for supplementary volumes bringing the subjects up to date, has been so great that authorization has been granted and funds allotted by the Work Projects Administration for that purpose. This supplementary volume is issued in response to this demand.

The Project, sponsored by the Mayor of the City of New York, receives the cooperation of the Institute of the Aeronautical Sciences which directs the research and publishing staff workers.

DISTRIBUTION

Requests for these bibliographies have been received to such an extent that it has been impossible to supply the demand. Because of the limited number of copies published, distribution is necessarily restricted. They cannot be sent to individuals or sold. Organizations desiring copies may apply for same by letter, stating the use for which they are required. These requests will be considered in the order received. Should the supply be exhausted, such requests will receive first consideration when additional copies are published.

Address all correspondence to:

John R. Palmer
Work Projects Administration
1505 R.C.A. Building West
New York City

CORNELL
UNIVERSITY
LIBRARY

ABBREVIATIONS

- A.R.C. R. & M. - Great Britain. Aeronautical research committee. Reports and Memoranda.
- A.S.M.E. - American society of mechanical engineers, New York.
- Atti Assoc. ital. aerotecn. - Atti dell'Associazione italiana di aerotecnica. Roma.
- C.A.H.I. - Central aero-hydrodynamical institute, Moscow.
- C.I.N.A. - Commission internationale de navigation aérienne, Genève.
- C. R. Acad. sci. - Comptes rendus hebdomadaires des séances de l'Académie des sciences, Paris.
- D.V.L. - Deutsche versuchsanstalt für luftfahrt, Berlin.
- F.A.I. - Fédération aéronautique internationale, Paris.
- H.M. Stat. off. - His Majesty's Stationery office, London.
- N.A.A. - National aeronautic association, Washington.
- N.A.C.A. - National advisory committee for aeronautics, Washington.
- N.P.L. - National physical laboratory, Teddington, England.
- Pub. scient. tech. Min. de l'air. - Publications scientifiques et techniques du Ministère de l'air. Service des recherches de l'aéronautique, Paris.
- R.A.F. - Royal air force (Great Britain)
- R.A.S. - Royal aeronautical society (Great Britain)
- Rend. Istituto sper. aer. - Rendiconto dell'Istituto, sperimentale aeronautico, Roma.
- S.A.E. - Society of automotive engineers, New York.
- U.S. Govt. print. off. - U.S. Government printing office, Washington.
- V.D.I. - Verein deutscher ingenieure, Berlin.
- W.G.L. - Wissenschaftliche gesellschaft für luftfahrt, Berlin.
- Z.A.M.M. - Zeitschrift für angewandte mathematik und mechanik, Berlin.
- Z.F.M. - Zeitschrift für flugtechnik und motorluftschiffahrt, München.

TABLE OF CONTENTS

PART 5 - SEAPLANES

Section I

BOOKS AND PAMPHLETS ON SEAPLANES, FLYING BOATS AND AMPHIBIANS.....	1
---	---

Section II

ARTICLES, BOOKS AND PAMPHLETS ON SEAPLANES - CLASSIFIED

Design and Construction.....	4
Development.....	5
Floats.....	5
Performance and Testing.....	7
Seaplanes - By Manufacturer	
Aeronca.....	9
Amiot.....	9
Boeing.....	9
Bréguet.....	9
Burguess.....	9
C.A.N.T.....	10
Curtiss.....	10
De Havilland.....	10
Dornier.....	10
Farman.....	10
Fairey.....	10
Fokker.....	10
Hamburg.....	11
Heinkel.....	11
Latécoère.....	11
Lioré et Olivier.....	12
Macchi.....	12
Mayo.....	12
Rohrbach.....	13
Romeo.....	13
Savoia.....	13
Sikorski.....	13
Taylor.....	13
General.....	13

PART 6 - FLYING BOATS

Section III

ARTICLES, BOOKS AND PAMPHLETS - CLASSIFIED

Design and Construction.....	16
Development.....	19

Hulls.....	20
Performance and Testing.....	21
Flying Boats - By Manufacturer	
Amiot.....	24
Benoist.....	24
Boeing.....	24
Bréguet.....	26
C.A.M.S.....	26
C.A.N.T.....	26
Caproni.....	26
Consolidated.....	27
Dornier.....	28
Heinkel.....	30
Junkers.....	30
Latécoère.....	30
Lioré et Olivier.....	31
Macchi.....	31
Martin.....	31
Potez.....	31
Rohrbach.....	31
Savoia-Marchetti.....	32
Seversky.....	32
Short.....	32
Sikorski.....	33
General.....	34

PART 7 - AMPHIBIANS

Section IV

ARTICLES, BOOKS AND PAMPHLETS - CLASSIFIED

Amphibians - By Manufacturer	
Consolidated.....	39
Fleetwing.....	39
Grumman.....	39
Spencer-Larsen.....	39
General.....	40

AUTHOR INDEX.....	41
-------------------	----

Section I

BOOKS AND PAMPHLETS

- A New method of studying the flow of the water along the bottom of a model of a flying boat hull, by K. E. Ward. Washington, 1940. 9 p. diags., tables. (N.A.C.A. Technical notes no. 749)
- Boeing model 314 flying boat. Seattle, Craftsman press, 1939. 288 p. diags., illus.
- A Contribution to the theory of planing surfaces, by William Bollay. (In Proceedings of the Fifth engineering meeting, Massachusetts institute of technology, Cambridge, 1939, no. 5, p. 474-77)
- Enlarged N.A.C.A. tank and some of its work, by S. Truscott. Washington, 1939. 30 p. diags., illus. (N.A.C.A. Technical memorandums no. 918) (From Jahrbuch der deutschen luftfahrtforschung, München, 1938, p. 375-95)
- Handbook of instructions for operation of the Boeing model 314 flying boat. Seattle, Boeing aircraft company, 1939. 112 p. illus., tables.
- Hydrodynamic and aerodynamic tests of family of models of seaplane floats with varying angles of dead rise N.A.C.A. models 57-A, 57-B, 57-C, by J. B. Parkinson, R. E. Olson and R. O. House. Washington, 1939. 11 p. diags. (N.A.C.A. Technical notes no. 716)
- Investigations and tests in towing basin at Guidonia, by C. Cremona. Washington, 1939. 19 p. diags., illus., tables. (N.A.C.A. Technical memorandums no. 892) (From Papers presented at meeting of Lilienthal-gesellschaft für luftfahrtforschung, Oct. 12-15, 1938, Berlin, 1939, p. 2-9)
- Tank tests to determine effects of the chine flare of flying boat hull N.A.C.A. model series 62 and 69, by J. W. Bell and R. E. Olson. Washington, 1939. 15 p. tables. (N.A.C.A. Technical notes no. 725)
- Aerodynamic drag of five models of side floats, N.A.C.A. models 51-E, 51-F, 51-G, 51-H, 51-J, by R. O. House. Washington, 1938. 6 p. diags., tables. (N.A.C.A. Technical notes no. 680)
- "Condor". Bremen, Focke-Wulf, 1938. 14 p. diags., illus., tables.
- The Design of floats, by W. Sottorf. Washington, 1938. 19 p. diags., illus. (N.A.C.A. Technical memorandums no. 860) (From Luftfahrtforschung, München, Apr. 20, 1937, v. 14, no. 4-5, p. 157-67)

SEAPLANES, FLYING BOATS AND AMPHIBIANS

- A Discussion of certain problems connected with the design of hulls of flying boats and the use of general test data, by W. S. Diehl. Washington, U. S. Govt. print. off., 1938. 8 p. illus. (N.A.C.A. Report no. 625)
- Flugzeug -- typenbuch 1937-1938, von Helmut Schneider. Leipzig, H. Beyer, 1938. 636 p. diagrs., illus., tables.
- A General tank test of a model of the hull of the P3M-1 flying boat, including a special working chart for the determination of hull performance, by John R. Dawson. Washington, 1938. 8 p. diagrs., tables. (N.A.C.A. Technical notes no. 681)
- Grossflugzeuge, von Albert Klapprott. Berlin, Hochmeister und Thal, 1938. 40 p. diagrs., illus., tables.
- How to build flying-boat hulls and seaplane floats, by J. Streeter. London; New York, Isaac Pitman and sons, 1938. 90 p. diagrs., illus., tables.
- Hydrodynamic and aerodynamic tests of four models of outboard floats, (N.A.C.A. models of 51-A, 51-B, 51-C and 51-D), by J. R. Dawson and E. D. Hartman. Washington, 1938. 21 p. diagrs., tables. (N.A.C.A. Technical notes no. 678)
- Hydrodynamic and aerodynamic tests of models of floats for single float seaplanes N.A.C.A. models 41-D, 41-E, 61-A, 73, 73-A, by J. B. Parkinson and R. O. House. Washington, 1938. 14 p. (N.A.C.A. Technical notes no. 656)
- Increase in frictional resistance caused by various types of rivet heads as determined by tests of planing surfaces, by S. Truscott and J. B. Parkinson. Washington, 1938. 7 p. tables. (N.A.C.A. Technical notes no. 648)
- On determination of take-off characteristics of seaplane, by A. Perelmutter. Washington, 1938. 25 p. illus., tables. (N.A.C.A. Technical memorandums no. 863) (From C.A.H.I., Moscow, 1938, p. 1-18. diagrs., illus.)
- On theory of hydrofoils and planing surface, by F. Weinig. Washington, 1938. 30 p. tables. (N.A.C.A. Technical memorandums no. 845) (From Luftfahrtforschung, München, June 1937, v. 14, no. 6, 8 p.)
- Planing surface tests at large Froude numbers-airfoil comparisons, by A. Sambras. Washington, 1938. 19 p. diagrs., tables. (N.A.C.A. Technical memorandums no. 848) (From Luftfahrtforschung, München, Aug. 20, 1936, v. 13, no. 8, p. 118-29)
- Rund Afrika-flug, von A. Fischer von Poturzyn. Berlin, Pfaum-verlag, 1938. 119 p. diagrs., illus., tables.

BOOKS AND PAMPHLETS

Schwimmende inseln; flughilfsschiff; zwillingsflugzeug, von Walter Zuerl. München, Curt Pechstein, 1938. 526 p. illus., tables.

Seeflugwesen, von F. Seewald. (In Jahrbuch der deutschen luftfahrtforschung, München, 1938. p. 40-41. diags., illus.)

Die Seemannschaft in der luftwaffe, von T. E. Soennichsen. Berlin, E. S. Mittler und Sohn, 1938. 168 p. diags., illus., tables.

The Story of the winged-S, by I. I. Sikorsky. New York, Dodd-Mead and company, 1938. 266 p. diags., illus., tables.

Study of flying boat take-off, by W. S. Diehl. Washington, 1938. 16 p. diags., tables. (N.A.C.A. Technical notes no. 643)

Tank tests of a model of one hull of the Savoia S-55-X flying boat (model N.A.C.A. 46), by J. M. Allison. Washington, 1938. 11 p. illus. (N.A.C.A. Technical notes no. 635)

Tank tests of model 36 flying-boat hull, by J. M. Allison. Washington, 1938. 9 p. diags., tables. (N.A.C.A. Technical notes no. 638)

Tank tests to show the effect of rivet heads on the water performance of a seaplane float, by J. B. Parkinson. Washington, 1938. 21 p. illus., tables. (N.A.C.A. Technical notes no. 657)

Tests on experimental flotation compartment test specimen, by F. C. Vernon. Washington, U. S. Govt. print. off., 1938. 6 p. tables. (Air service information circular no. 712)

Über den einfluss von federung und kielung auf den landesstoss, von J. Sydow. (In Jahrbuch der deutschen luftfahrtforschung, München, 1938, part 1, p. 329-38)

Further measurements of the full scale water resistance of a III F seaplane in steady motion, by J. Hanson. London, H. M. Stat. off., 1937. 11 p. diags., illus. (A.R.C. R. & M. no. 1806)

Tank tests of two models of flying-boat hulls to determine the effect of ventilating the step, by J. R. Dawson. Washington, 1937. 8 p. diags. (N.A.C.A. Technical notes no. 594)

Section II

ARTICLES, BOOKS AND PAMPHLETS - CLASSIFIED

DESIGN AND CONSTRUCTION

- Le Support hydrodynamique des hydravions. Les Ailes, Paris, May 2, 1940, v. 20, p. 5. illus.
- Solutions italiennes au problème des grandes vitesses tirées de l'examen de l'aéroplane de course Macchi Castoldi M.C. 72, par P. Légiise. L'Aéronautique, Paris, Apr. 1940, v. 23, no. 4, p. 127-36. illus.
- Seeflugzeug Vought-Sikorsky XOS2N-1. Flugsport, Frankfurt A/M, Aug. 30, 1939, v. 31, no. 18, p. 459. illus.
- Neues verfahren der Übertragung des modellwiderstandes eines gleitfahrzeuges auf die hauptausführung, von W. Sottorf. Luftfahrtforschung, München, Aug. 20, 1939, v. 16, no. 8, p. 412-18. illus., tables.
- Water flow lines about the hull of a seaplane. Journal of the Aeronautical sciences, New York, May 1939, v. 6, no. 7, p. 300.
- Rückwärtsfahrt eines wasserflugzeuges durch drehen der propellerflügel um 90 grad. Das Industrieblatt, Stuttgart, Dec. 16, 1938, v. 43, no. 35, p. 1451. illus.
- Hydravion commercial Atlantique Sud. La Technique aéronautique, Paris, Dec. 1938, v. 29, no. 150, p. 239-40. illus.
- Method for the design of bottom plating for flying boat hulls and seaplane floats, by S. D. Berman. Journal of the Aeronautical sciences, New York, Dec. 1938, v. 6, no. 2, p. 64-67.
- Recent full scale and model research on seaplanes, by H. M. Garner. Aeroplane, London, Nov. 16, 1938, v. 55, p. 618-19. illus.
- Changing over to "boats", by H. Parkinson. Flight, London, Oct. 20, 1938, v. 34, no. 1556, p. 348a-348d.
- Ricerca grafica dei coefficienti di resistenza e di momento aerodinamico di un idroscivolante munito di ala, di E. Lorenzelli. L'Aerotecnica, Roma, June 1938, v. 18, no. 1, p. 64-77. illus., tables.
- Leviathan on floats. Flight, London, Mar. 31, 1938, v. 33, no. 1527, p. 325.
- Le Problème des hydravions destinés a la traversée aérienne sans escale France-Etats Unis d'Amérique, par L. Bréguet. Science aérienne, Paris, Jan.-Feb. 1938, v. 7, no. 1, p. 11-54. illus.

DESIGN AND CONSTRUCTION

Aerodynamic drag of five models of side floats, N.A.C.A. models 51-E, 51-F, 51-G, 51-H, 51-J, by R. O. House. Washington, 1938. 6 p. diags., illus. (N.A.C.A. Technical notes no. 680)

Another Short masterpiece. Flight, London, Sep. 16, 1937, v. 32, no. 1499, p. 290-92.

DEVELOPMENT

Derzeitiger stand der entwicklung von langstrecken-seeflugzeugen, von C. Dornier. Zeitschrift des V.D.I., Berlin, Jan. 7, 1939, v. 83, no. 1, p. 2-12. diags., illus. (Abstract Revue industrielle, Paris, May 1939, v. 69, no. 2358, p. 150-52)

Entwicklung und ziele im flugzeugbau, von A. Hanuschke. Rundschau deutscher technik, Berlin, Oct. 1938, v. 18, no. 41, p. 8. illus.

FLOATS

Pneumatic seaplane floats. Scientific american, New York, Apr. 1940, v. 162, p. 224. illus.

High-speed water channels, by A. M. Binnie. Engineering, London, Sep. 1, 1939, v. 148, no. 3842, p. 272.

Production float design, by J. G. Shonts. Aero digest, New York, Sep. 1939, v. 35, no. 3, p. 42-43. diags.

Versuche an flugzeugschwimmern, von F. Gutsche. Zeitschrift des V.D.I., Berlin, July 22, 1939, v. 83, no. 29, p. 865-66. diags., illus.

Ausbildung von schwimmböden, von S. D. Berman. Deutsche luftwacht, ausgabe Luftwissen, Berlin, Apr. 1939, v. 6, no. 4, p. 142. illus.

Der Luftwiderstand von schwimmern und flugbooten, von B. Göthart und W. Ribnitz. Deutsche luftwacht, ausgabe Luftwissen, Berlin, Mar. 1939, v. 6, no. 3, p. 101-07. illus.

Über den landungsstoss von flugzeugschwimmern, von C. Schmieden. Ingenieur archiv, Berlin, Feb. 1939, v. 10, no. 1, p. 1-13. diag., tables.

Der Einfluss von schwimmernform und belastung auf den wasserwiderstand von schwimmwerken, von H. Thiel. Deutsche luftwacht, ausgabe Luftwissen, Berlin, Jan. 1939, v. 6, no. 1, p. 30-35. diags., illus.

SEAPLANES

- Hydrodynamic and aerodynamic tests of a family of models of sea-plane floats with varying angles of dead rise; N.A.C.A. models 57-A, 57-B and 57-C, by John B. Parkinson, Roland E. Olson and Rufus O. House. Washington, 1939. 11 p. diagrs., illus., tables. (N.A.C.A. Technical notes no. 716)
- Investigations and tests in towing basin at Guidonia in floats and hulls. Washington, 1939. 6 p. diagrs. (N.A.C.A. Technical memorandums no. 892) (From Papers presented at meeting of Lilienthal gesellschaft für Luftfahrtforschung, Berlin, Oct. 12-15, 1938, Berlin, 1939, p. 2-9)
- Proposed method for design of bottom plating for flying-boat hulls and seaplane floats, by S. D. Berman. Journal of the Aeronautical sciences, New York, Dec. 1938, v. 6, no. 2, p. 64-67.
- Model 50-C Aeronca gets license on Edo floats. Canadian aviation, Toronto, Nov. 1938, v. 11, no. 11, p. 12.
- More about pneumatic floats. Aeroplane, London, Oct. 5, 1938, v. 55, no. 1428, p. 415-16. illus.
- Lateral stability of flying boats on water, by G. H. Bromhead. Aeroplane, London, Aug. 31, 1938, v. 55, no. 1423, p. 265. illus.
- Pneumatische schwimmer. Interavia, Geneva, July 16, 1938, no. 561, p. 6. illus.
- Leviathan on floats. Flight, London, Mar. 31, 1938, v. 33, no. 1527, p. 325.
- Versuche mit gleitflächen, von W. Sottorf. Werft-Reederei-Hafen, Berlin, Mar. 1, 15, 1938, v. 19, no. 5, 6, p. 51-56; 65-70. diagrs., illus.
- Aerodynamic drag of five models of side floats, N.A.C.A. models 51-E, 51-F, 51-G, 51-H, 51-J, by R. O. House. Washington, 1938. 6 p. diagrs. (N.A.C.A. Technical notes no. 680)
- The Design of floats, by W. Sottorf. Washington, 1938. 19 p. diagrs., tables. (N.A.C.A. Technical memorandums no. 860) (From Luftfahrtforschung, München, Apr. 20, 1937, v. 14, no. 4-5, p. 157-67. diagrs., illus.)
- Festigkeitsversuche an schwimmerwerken, von K. Matthaes. (In Jahrbuch der deutschen luftfahrtforschung, München, 1938, part 1, p. 342-47. illus.)
- How to build flying-boat hulls and seaplane floats, by J. Streeter. London; New York, Isaac Pitman and sons, 1938. 90 p. diagrs., illus., tables.

FLOATS

Hydrodynamic and aerodynamic tests of four models of outboard floats (N.A.C.A. models 51-A, 51-B, 51-C, 51-D), by J. R. Dawson and E. P. Hartman. Washington, 1938. 21 p. diagrs., tables. (N.A.C.A. Technical notes no. 678)

Hydrodynamic and aerodynamic tests of models of floats for single float seaplanes, N.A.C.A. models 41-D, 41-E, 61-A, 73, 73-A, by J. B. Parkinson and R. O. House. Washington, 1938. 14 p. tables. (N.A.C.A. Technical notes no. 656)

Tank tests to show the effect of rivet heads on the water performance of a seaplane float, by J. B. Parkinson. Washington, 1938. 21 p. diagrs., tables. (N.A.C.A. Technical notes no. 657)

PERFORMANCE AND TESTING

Hints on seaplane operation, by F. H. Smith. Aero digest, New York, May 1940, v. 36, no. 5, p. 40-41. illus.

Les Hélices co-axiales, par Pierre Légiise. L'Aéronautique, Paris, Apr. 1940, v. 22, no. 251, p. 134-36.

L'Hydravion torpilleur Ha-140, par A. Frachet. Les Ailes, Paris, Mar. 20, 1940, v. 29, p. 3.

L'Hydravion torpilleur Heinkel-115, par A. Frachet. Les Ailes, Paris, Dec. 14, 1939, v. 19, no. 959, p. 3.

A New seaplane record. Aeroplane, London, Oct. 12, 1939, v. 56, no. 1481, p. 461.

Versuche an flugzeugschwimmern, von F. Gutsche. Zeitschrift des V.D.I., Berlin, July 22, 1939, v. 83, no. 29, p. 865-66.

Autonomia, di E. Gambarucci. Rivista aeronautica, Roma, July 1939, v. 15, no. 7, p. 1-7. diagrs., illus., tables.

Modellversuche klären das verhalten von flugzeugen bei der wasserung, von W. Sottorf. Umschau, Frankfurt, A/M, July 1939, v. 43, no. 31, p. 722-25. diagrs., illus.

Introduction to seaplane porpoising, by A. Klemin, J. D. Pierson and E. M. Storer. Journal of the Aeronautical sciences, New York, June 1939, v. 6, no. 8, p. 311-18.

Start und landung in modellversuche, von W. Sottorf. Werft-Roederei-Hafen, Berlin, May 1, 1939, v. 29, no. 9, p. 113-18. illus.

Ein wasserflugzeug, dass sich auch rückwärts bewegen kann. Umschau, Frankfurt A/M, May 1939, v. 43, no. 19, p. 443. illus.

SEAPLANES

- Russian experiments with under-water wings for ship propulsion, by A. N. Vladimirov. Engineering abstracts, London, Apr. 1939, v. 2, no. 3, section 3, p. 59-60. diagsr.
- Der Luftwiderstand von schwimmern und flugbooten, von B. Göthart und W. Ribnitz. Deutsche luftwacht, ausgabe Luftwissen, Berlin, Mar. 1939, v. 6, no. 3, p. 101-07. diagsr., illus.
- Scale effect in tank tests of seaplane models, by L. P. Coombes. Fifth international congress for applied mechanics, Cambridge, 1939, no. 5, p. 513-19. diagsr. (Massachusetts Institute of technology)
- Recent full scale and model research on seaplanes, by H. Mason Garner. Aeroplane, London, Nov. 16, 1938, v. 55, no. 1434, p. 618-19. illus. (Also in Jahrbuch der deutschen luftfahrtforschung, München, 1938, p. 357-73)
- Model testing of seaplane hulls, by J. R. Dawson. Civil engineering, New York, Sep. 1938, v. 8, no. 9, p. 596-98. diagsr., illus.
- A Method of calculating seaplane take-off, by V. Outman. Aero digest, New York, June 1938, v. 33, no. 6, p. 53-54, 59-60. illus., tables.
- German hydroplane sets new world distance record. Automotive industries, Philadelphia, May 14, 1938, v. 78, no. 20, p. 656.
- Mayo composite aircraft trials. Engineer, London, May 13, 1938, v. 165, no. 4296, p. 537.
- Höchstleistung im maschinenbau und verkehr, von H. Schütl. Rundschau deutscher technik, Berlin, Mar. 1938, v. 18, no. 13, p. 2-3, illus., tables.
- L'Amérissage des hydravions au moteur et à la sonde. L'Air, Paris, Jan. 20, 1938, no. 437, p. 22. illus.
- Ricerca grafica dei coefficienti di resistenza e di momento idrodinamico di un idroscivolante munito di ala e determinazione dei calettamenti ottimi allo scafo, di Ezio Lorenzelli. L'Aerotecnica, Roma, Jan. 1938, v. 18, no. 1, p. 64-77. illus.
- On determination of take-off characteristics of seaplane, by A. Perelmutter. Washington, 1938. 25 p. diagsr., tables. (N.A.C.A. Technical memorandums no. 863) (From C.A.H.I., Moscow, 1938, p. 1-18)
- Über den einfluss von federung und kielung auf den landesstoss, von J. Sydow. (In Jahrbuch der deutschen luftfahrtforschung, München, 1938, pt. 1, p. 329-38)

PERFORMANCE AND TESTING

Helping seaplane off, by D. J. Brimm, Jr. Aviation, New York, Aug. 1937, v. 36, no. 8, p. 32-33.

SEAPLANES - BY MANUFACTURER

AERONCA

Aeronca chief seaplane. Aviation, New York, July 1939, v. 38, no. 7, p. 57. illus.

Aeronca 50 airplane. Aviation, New York, Dec. 1938, v. 37, no. 13, p. 40. illus. (Also Canadian aviation, Toronto, Nov. 1938, v. 11, no. 11, p. 12)

Model 50-C Aeronca gets license on Edo floats. Canadian aviation, Toronto, Nov. 1938, v. 11, no. 11, p. 12.

Aeronca seaplane. Aviation, New York, Sep. 1937, v. 36, no. 9, p. 46. illus.

AMIOT

L'Hydravion Amiot-150, par A. Frachet. Les Ailes, Paris, May 12, 1938, v. 18, p. 9. illus., table.

BOEING

Boeing-clipper schon bei erprobungsflügen, von A. Hanuschke. Rundschau deutscher technik, Berlin, July 1938, v. 18, no. 30, p. 4. illus.

BRÉGUET

Notes sur la maquette du S.E. 200 et ses essais. L'Aéronautique, Paris, Dec. 1938, v. 20, no. 235, p. 289-93. diagr., illus., tables.

Le Quadrimoteur d'exploration Bréguet 730. L'Aéronautique, Paris, Dec. 1938, v. 20, no. 235, p. 303. illus.

Une Production de la S.N.C.A. du nord. L'hydravion d'exploration Bréguet 730, par J. Delsuc. L'Air, Paris, June 1938, no. 446, p. 345-46. illus.

BURGUSS

The Story of Burgess, by R. H. Rankin. Popular aviation, Chicago, Jan. 1938, v. 22, no. 1, p. 44-46, 96. illus.

SEAPLANES - BY MANUFACTURER

C.A.N.T.

Description de l'hydravion trimoteur civil C.A.N.T. Z-509 pour les services transocéaniques. Aero revue, Berne, Dec. 1938, v. 13, no. 25, p. 515-16. illus., tables.

CURTISS

L'Hydravion d'entrainement "N.C. 470". Les Ailes, Paris, Sep. 15, 1938, v. 18, no. 900, p. 9. diags., illus.

DE HAVILLAND

De Havilland "Flamingo" transport. Aero digest, New York, June 1939, v. 34, no. 6, p. 90, 133-34. illus.

The Story of de Havilland, by G. S. Williams. Popular aviation, Chicago, May 1938, v. 22, no. 5, p. 38-42, 70. illus.

DORNIER

L'Hydravion "éclaireur" Dornier-18, par A. Frachet. Les Ailes, Paris, Feb. 15, 1940, v. 20, no. 968, p. 3. illus.

Dornier DO 26. Rundschau deutscher technik, Berlin, Sep. 1938, v. 18, no. 37, p. 7-8. illus., tables.

El Hidroavión alemán Dornier DO 18, que efectuó el vuelo directo entre Inglaterra y Brasil. Avia, Buenos Aires, Mar. 1938, v. 3, no. 22, p. 76. illus.

FARMAN

Hidroavión de entrenamiento Farman FD70. Aeronáutica argentina, Córdoba, Nov.-Dec. 1938, v. 5, no. 57, p. 1297. illus.

FAIREY

The Fairey seafox catapult floatplane; Napier Rapiere VI engine; Monococque fuselage; easy maintenance features. Flight, London, Dec. 1937, v. 32, no. 1511, p. 570-74. illus., tables.

FOKKER

Der Fokker - T8 - W - torpedo bomber, von A. Hanuschke. Rundschau deutscher technik, Berlin, July 1939, v. 19, no. 27, p. 9. illus.

FOKKER

Fokker construit un hydravion porte-torpilleur. Les Ailes, Paris, Oct. 20, 1938, v. 18, no. 905, p. 5.

HAMBURG

L'Hydravion torpilleur Ha-140, par A. Frachet. Les Ailes, Paris, Mar. 7, 1940, v. 20, no. 971, p. 3. illus.

Blohm und Voss Ha-138. Revue de l'armée de l'air, Paris, Mar.-Apr. 1939, no. 115, p. 235-38. illus.

L'Hydravion trimoteur de reconnaissance Blohm und Voss "Ha-138", par E. Thouzellier. L'Aéronautique, Paris, Mar. 1939, v. 21, no. 238, p. 128. illus.

L'Hydravion de défense et de reconnaissance Blohm und Voss Ha-138. L'Aérophile, Paris, Feb. 1939, v. 47, no. 2, p. 35. illus.

The Long distance seaplane "Hamburg Ha-139". Engineering, London, Dec. 16, 1938, v. 146, no. 3805, p. 720-21. diagrs., illus.

Ha-140, ein neues deutsches mehrzweck-seeflugzeug, von I. Vogt. Rundschau deutscher technik, Berlin, Oct. 1938, v. 18, no. 43, p. 10.

Mehrzwecke-seeflugzeug "Blohm und Voss Ha-140", von E. Berndt. Zeitschrift des V.D.I., Berlin, Oct. 1938, v. 82, no. 41, p. 1196. illus.

The Four winds, (Ha-139). Flight, London, May 19, 1938, v. 33, p. 488. diagrs.

HEINKEL

L'Hydravion côtier Heinkel 114, par A. Frachet. Les Ailes, Paris, Feb. 1, 1940, v. 20, no. 966, p. 3. diagrs., illus.

L'Hydravion-torpilleur Heinkel 115, par A. Frachet. Les Ailes, Paris, Dec. 14, 1939, v. 19, no. 959, p. 3. illus.

Aufklärungs-seeflugzeug Heinkel He 114. Interavia, Geneva, Mar. 2, 1938, no. 521-522, p. 7. illus.

Mehrzwecke-seeflugzeug Heinkel He-59. Interavia, Geneva, Mar. 2, 1938, no. 521-522, p. 6. illus., tables.

LATÉCOÈRE

Hidroavión Latécoère 298. Aeronáutica argentina, Córdoba, Argentina, Nov.-Dec. 1938, v. 5, no. 57, p. 1297.

SEAPLANES - BY MANUFACTURER

Hydravion-torpilleur Latécoère 298. Les Ailes, Paris, Mar. 31, 1938, v. 18, no. 859, p. 1. illus.

LIORE ET OLIVIER

Hydravion commercial Atlantique-Sud (Lo H 470), par Lioré et Olivier. Technique aéronautique, Paris, Dec. 1938, v. 29, no. 150, p. 239-40. illus.

Transport public méditerranéen, par Lioré et Olivier. Technique aéronautique, Paris, Dec. 1938, v. 29, no. 150, p. 236-38. diagrs., illus.

MACCHI

Solutions italiennes au problème des grandes vitesses tirées de l'examen de l'aéroplane de course Macchi Castoldi M.C. 72, par P. Légiise. L'Aéronautique, Paris, Apr. 1940, v. 23, no. 4, p. 127-36. illus.

MAYO

L'Idrovolante composto Mayo. L'Aerotecnica, Roma, Sep. 1938, v. 18, no. 9, p. 1044-47. illus.

La Mise au point du Short Mayo, "avion composite". Revue de l'armée de l'air, Paris, Aug. 1938, no. 109, p. 885-89.

Short Mayo composite aircraft. Aero digest, New York, Aug. 1938, v. 33, no. 2, p. 315. illus. (Also Engineer, London, Mar. 4, 1938, v. 165, no. 4286, p. 254)

The Mayo composite. Flight, London, June 3, 1938, v. 33, no. 1536, p. 546. (Also Aeroplane, London, June 1, 1938, v. 54, no. 1410, p. 656)

Mayo composite aircraft trials. Engineer, London, May 13, 1938, v. 165, no. 4296, p. 537.

In defense of the Mayo composite, by Nigel Tangye. Aeroplane, London, Apr. 13, 1938, v. 54, no. 1403, p. 441-42. diagrs.

Second parting. Flight, London, Mar. 3, 1938, v. 33, no. 1523, p. 209. illus.

Mayo composite aircraft - why and how. Aeroplane, London, Feb. 16, 1938, v. 54, no. 1395, p. 198-201.

On the Mayo composite aircraft. Aeroplane, London, Feb. 16, 1938, v. 54, no. 1395, p. 195-97. diagrs., illus.

MAYO

Launching planes in mid-air; pickaback experiment increases payload and profit possibilities in transatlantic service; Mayo seaplane, by W. Courtenay. Barron's, New York, Feb. 14, 1938, v. 18, no. 7, p. 9.

Composite aircraft designed by Major R. H. Mayo. Mechanical engineering, New York, Feb. 1938, v. 60, no. 2, p. 164. illus.

Mayo composite seaplane. Scientific american, New York, Jan. 1938, v. 158, no. 1, p. 53-54. illus.

ROHRBACH

L'Hydravion de chasse catapultable Ro-44. L'Aérophile, Paris, Feb. 1939, v. 47, no. 2, p. 34-35. illus., tables.

ROMEO

Les Romeo 43 et 44 de l'aviation italienne. Les Ailes, Paris, Jan. 18, 1940, v. 20, no. 964, p. 4.

SAVOIA

A Fast transport seaplane. Aeroplane, London, Sep. 14, 1938, v. 55, p. 314.

SIKORSKI

Seeflugzeug Vought-Sikorsky XOS2N-1. Flugsport, Frankfurt A/M, Aug. 30, 1939, v. 31, no. 18, p. 459. diagrs., illus.

Vought Sikorsky observation scout. Aero digest, New York, July 1939, v. 35, no. 1, p. 125.

TAYLOR

Taylorcraft expands. Canadian aviation, Toronto, Dec. 1938, v. 11, no. 12, p. 25.

GENERAL

Hints on seaplane operation, by F. H. Smith. Aero digest, New York, May 1940, v. 36, no. 5, p. 40-41.

Light seaplane pointers, by K. Baetz. Western flying, Los Angeles, Cal., Mar. 1940, v. 20, no. 3, p. 14-16, 24. diagrs., illus.

SEAPLANES

- Neue angaben über deutsches flugmaterial. Aero revue, Bern, Feb. 1940, v. 15, no. 3, 4, p. 25-26. illus.
- Some German seaplanes, by H. F. King. Flight, London, Oct. 19, 1939, v. 36, no. 1608, p. 316a-316d. illus.
- Seaplanes of the luftwaffe. Aeroplane, London, Sep. 28, 1939, v. 57, no. 1479, p. 393-96. diagrs., illus.
- British aeronautical research for 1938. Aeroplane, London, Aug. 23, 1939, v. 57, no. 1474, p. 251-54. illus.
- Seaplanes on land, by G. B. Post. Aviation, New York, Jan. 1939, v. 38, no. 1, p. 28-29, 84. diagrs., illus.
- Seeflieger werden! von F. Dettmann. (In Jahrbuch der deutschen luftfahrt, Leipzig, 1939, p. 78-83. illus.)
- Le XVI^e Salon aéronautique. Les Ailes, Paris, Dec. 1, 8, 1938, v. 18, no. 911, 912, p. 5-6, 8-10; 6-7, 9, 11. illus., tables.
- El Desarrollo de los hidroaviones transaéreos. Avia, Buenos Aires, Nov.-Dec. 1938, v. 3, no. 27, p. 244-45. illus.
- German North Atlantic flights. Aeroplane, London, Oct. 26, 1938, v. 55, no. 1431, p. 509.
- Seaplane record breaker. Flight, London, Oct. 6, 1938, v. 34, no. 1554, p. 299. illus. (Also Aeroplane, London, Oct. 5, 1938, v. 55, no. 1428, p. 415)
- A Yugoslav seaplane ... (SIM-X16-4). Aeroplane, London, Aug. 31, 1938, v. 55, no. 1423, p. 265. illus.
- L'Aéronautique au jour le jour: 1^{er}-30 Avril 1938, par E. Thouzellier. L'Aéronautique, Paris, June 1938, v. 20, no. 229, p. 130-32. illus.
- Documents sur l'aéro dynamique des coques d'hydravion, par A. Verdurand. L'Aéronautique, Paris, June 1938, v. 20, no. 229, p. 78-79. diagr., illus.
- Eisenbeton-schwimmdock für flugzeuge, von F. Boettcher. Bauingenieur, Berlin, May 27, 1938, v. 19, no. 21-22, p. 324-26. diagrs., illus.
- The "Deutsche Lufthansa" seaplane catapult motorship "Friesenland". Engineering, London, Mar. 25, Apr. 15, 1938, v. 145, p. 321-23, 330; 414-15. illus.
- Trimmer seaplanes. Aviation, New York, Apr. 1938, v. 37, no. 4, p. 48. illus.

GENERAL

- Sikorsky foresees high speed planes. Science news letter, Washington, Mar. 19, 1938, v. 33, no. 12, p. 180. diags.
- De Kwestie; land of watervliegtuige voor passagiersvervoer in den Nederlandsch-Indischen Archipel, door P. J. C. Vos. Ingenieur, Hague, Mar. 11, 1938, v. 53, no. 10, p. 9-22. illus.
- Méthodes employées pour la recherche d'un hydravion en panne, par A. Verdurand et S. Flamanc. L'Aéronautique, Paris, Mar. 1938, v. 20, no. 226, p. 55-62. diags., illus.
- Note sur les recherches effectuées à la suite de la panne de la "Croix-du-Sud". L'Aéronautique, Paris, Mar. 1938, v. 20, no. 226, p. 62-65. diags.
- "Condor". Bremen, Focke-Wulf, 1938. 14 p. illus., tables.
- Neuere untersuchungen an seeflugzeugen in natürlicher grösse und am modell, von H. Garner. (In Jahrbuch der deutschen luftfahrtforschung, München, 1938, p. 357-73. diags., illus., tables)
- Schwimmende inseln; flughilfsschiff; zwillingsflugzeug, von Walter Zuerl. München, Curt Pechstein, 1938. 526 p. diags., illus., tables.
- Seeflugwesen, von F. Seewald. (In Jahrbuch der deutschen luftfahrtforschung, München, 1938, p. 40-41)
- L'Hydravion "Lieutenant Vaisseau Paris". L'Echo des ailes, Bruxelles, Oct. 21, 1937, v. 7, no. 42, p. 498. illus.
- Le Navire volant porte avions, par P. Barjot. Association technique maritime et aéronautique, Paris, 1937, no. 41, p. 525-34. illus., tables.
- Water-en landvliegtuig behouden beide hun plaats, door A. Plesman. Het Vliegveld, Amsterdam, 1937, v. 21, no. 9, p. 276-77. illus.

Section III

ARTICLES, BOOKS AND PAMPHLETS - CLASSIFIED

DESIGN AND CONSTRUCTION

- Designer describes flying boats for future ocean services, by A. Gouge. Canadian aviation, Toronto, Apr. 1940, v. 13, no. 4, p. 17, 48. illus.
- More Clippers for the Atlantic; new problems in machining, forming and assembly solved by Boeing. American machinist, New York, Mar. 20, 1940, v. 84, no. 6, p. 155-59. illus.
- The Detailed construction of Empire flying boats, by G. W. Mullett. Light metals, London, Feb. 1940, v. 3, no. 25, p. 30-37. diags., illus., tables.
- Building the Short Sunderland, by S. W. Hiscocks. Aircraft production, London, Jan. 1940, v. 2, no. 1, p. 11-20. diags., illus.
- How to design a prototype quickly (design of the flying boat Consolidated 31). Aeroplane, London, Nov. 2, 1939, v. 57, p. 2.
- Transatlantic air transport with particular reference to flying boats, by A. Gouge. Proceedings of the Institution of mechanical engineers, London, Nov. 1939, v. 142, no. 1, p. 69-72. illus.
- Transatlantic airplane design, by R. J. Nebesar. S.A.E. journal, New York, Nov. 1939, v. 45, no. 5, p. 478-84. illus.
- A Simplified method for development of prototype airplanes as applied to Consolidated model 31 long range patrol boat, by B. W. Sheahan. S.A.E. journal, New York, Oct. 1939, v. 45, no. 4, p. 7.
- Englisches flugboot Short "Kleni G" 32 T Goldenhind. Flugsport, Frankfurt, A/M, Sep. 27, 1939, v. 31, no. 20, p. 493-96. diags., illus.
- A New idea for flying boats. Aeroplane, London, Sep. 21, 1939, v. 57, no. 1478, p. 370-72. illus.
- Flying boat entrance lines, by F. H. Lanchester. Engineering, London, Sep. 15, 1939, v. 148, no. 3944, p. 298-99. illus.
- The Blackburn Skua. Flight, London, Aug. 10, 1939, v. 36, no. 1598, p. 125-31. illus. (Also Aeroplane, London, Aug. 9, 1939, v. 56, no. 1472, p. 174, 192-95).
- Large flying boats in series. Aircraft engineering, London, Aug. 1939, v. 11, no. 126, p. 319-24, 325-31. diags., illus.

DESIGN AND CONSTRUCTION

L'Hydravion Le OH47, par J. Delsuc. L'Air, Paris, July 20, 1939, v. 21, no. 473, p. 463-67. diagrs., illus.

Bigger and bigger, by R. C. Morrison. Flight, London, June 29, 1939, v. 35, no. 1592, p. 647-50. illus.

A New boat with a new wing. Aeroplane, London, June 7, 1939, v. 56, no. 1463, p. 732-33. diagrs., illus. (Also Aviation, New York, June 1939, v. 38, no. 6, p. 38-39. illus.)

Airway to Europe; new safety devices guard transatlantic planes, by P. A. Clarkson. Popular science, Chicago, June 1939, v. 134, no. 6, p. 51-55. diagrs., illus.

Les Hydravions français de gros tonnage civils et militaires, par A. Bellot. Aero revue, Berne, June 1939, v. 14, no. 11, p. 244-45. illus.

The Latest from the N.A.C.A. Aeroplane, London, May 24, 1939, v. 56, no. 1461, p. 644.

Modern cockpits - Boeing flying boat. Scientific american, New York, May 1939, v. 160, no. 5, p. 309. illus.

Les Tendances actuelles dans la technique des avions transocéaniques. Le voyage du Yankee Clipper. Le Génie civil, Paris, Apr. 15, 1939, v. 114, no. 2957, p. 322-24. diagrs.

Martin completes patrol bomber for U. S. navy. Aero digest, New York, Apr. 1939, v. 34, no. 4, p. 32. illus.

The New big Empire boats. Aeroplane, London, Mar. 22, 1939, v. 56, no. 1452, p. 375.

Transoceanflugboot Dornier D.O. 26. Deutsche luftwacht, ausgabe Luftwissen, Berlin, Feb. 1939, v. 6, no. 2, p. 67-71. diagrs., illus.

The Sunderland flying-boats of the Royal air force. Aeroplane, London, Jan. 25, 1939, v. 56, no. 1444, p. 106-07, 115-17. illus.

Entwerfen von flugbooten, von W. S. Diehl. Deutsche luftwacht, ausgabe Luftwissen, Berlin, Jan. 1939, v. 6, no. 1, p. 42. illus.

Sviluppo delle costruzioni Dornier. L'Aerotecnica, Roma, Jan. 1939, v. 19, no. 1, p. 46-55. illus.

A Discussion of certain problems connected with the design of hulls of flying boats and the use of general test data, by W. S. Diehl. Washington, U. S. Govt. print. off., 1939. 8 p. diagrs., tables. (N.A.C.A. Report no. 625)

FLYING BOATS

- Enlarged N.A.C.A. tank and some of its work, by S. Truscott. Washington, 1939. 30 p. diagrs., illus. (N.A.C.A. Technical memorandums no. 918) (From Jahrbuch der deutschen Luftfahrtforschung, Berlin, 1938, p. 375-95)
- Hull and fuselage construction. Flight, London, Dec. 15, 1938, v. 34, no. 1564, p. 552-53. illus.
- Proposed method for the design of bottom plating for flying-boat hulls and seaplane floats, by Sydney D. Berman. Journal of the Aeronautical sciences, New York, Dec. 1938, v. 6, no. 2, p. 64-67. diagrs., tables.
- Trend in design of large flying boat, by Igor Sikorsky. Aero digest, New York, Nov. 1938, v. 33, no. 5, p. 44-47, 76, 84. illus.
- Changing over to "boats", by H. Parkinson. Flight, London, Oct. 20, 1938, v. 34, no. 1556, p. 348a-348d. illus.
- Developing our flying boats. Aeroplane, London, Oct. 5, 1938, v. 55, no. 1428, p. 401. illus.
- Design trends in giant flying boats, by L. M. Laddon and T. P. Faulkner. Scientific american, New York, Oct. 1938, v. 159, no. 4, p. 197-98. illus.
- The Consolidated Atlantic flying boat. Interavia, Geneva, July 19, 1938, no. 562, p. 5. illus.
- Boeing 314. Some characteristics and construction details of this 4 engined transatlantic plane. Aviation, New York, July 1938, v. 37, no. 7, p. 20-21, 30-33. diagrs., illus.
- Building flying boats bigger than Columbus' ships. Machinery, New York, July 1938, v. 44, no. 11, p. 730-33. diagrs.. (Also Machinery, London, June 23, 1938, v. 52, no. 1341, p. 362-65)
- Consolidated 100-passenger flying boat, by T. P. Hall. Consolidator, San Diego, Cal., July 1938, v. 3, no. 7, p. 12-14. diagrs., illus.
- Dornier DO 26, ein neues 4 motoriges transozean-flugboot. Dornierpost, Friedrichshafen, July 1938, no. 17, p. 397-98. illus., table.
- Boeing Clipper beaching gear. Aero digest, New York, June 1938, v. 32, no. 6, p. 87. illus.
- Martin builds "ocean transport". Canadian aviation, Toronto, Apr. 1938, v. 11, no. 4, p. 12. (Also American machinist, New York, Feb. 23, 1938, v. 82, no. 4, p. 101-03)

DESIGN AND CONSTRUCTION

- Flugbootform und verhalten auf dem wasser, von L. Johnson. Deutsche luftwacht, ausgabe Luftwissen, Berlin, Mar. 1938, v. 5, no. 3, p. 104.
- Superliners and aircraft. Mechanical engineering, New York, Jan. 1938, v. 60, no. 1, p. 62-63. diags.
- Das Grossflugboot, von I. Sikorsky. (In Jahrbuch der deutschen luftfahrtforschung, München, 1938, p. 11-33. diags., illus.)
- How to build flying-boat hulls and seaplane floats, by J. Streeter. London; New York, Isaac Pitman and son, 1938. 90 p. diags., illus., tables.
- On theory of hydrofoils and planing surface, by F. Weinig. Washington, 1938. 30 p. tables. (N.A.C.A. Technical memorandums no. 845) (From Luftfahrtforschung, München, June 1937, v. 14, no. 6, 8 p.)
- Sechskomponenten messungen an einem flugboot-modell über einer den wasserspiegel darstellenden platte, von M. Köhler. Luftfahrtforschung, München, Dec. 20, 1937, v. 14, no. 12, p. 583-92. diags., tables.
- Hull-less flying boat, by H. Roxbee Cox and L. P. Coombes. Aeroplane, London, Dec. 1, 1937, v. 53, no. 1384, p. 677-80. diags., illus. (Also Deutsche luftwacht, ausgabe Luftwissen, Berlin, Dec. 1937, v. 4, no. 12, p. 383)

DEVELOPMENT

- 1912-1940 - a history of marine development. Flight, London, Apr. 18, 1940, v. 37, no. 1634, p. 350e-354e.
- Progress in miniature. Aeroplane, London, Mar. 15, 1940, v. 58, no. 1503, p. 350-51.
- Building stranraers. Canadian aviation, Toronto, Feb. 1940, v. 13, no. 2, p. 9-13. illus.
- Transatlantic air transport with particular reference to flying boats. Mechanical engineering, New York, Dec. 1939, v. 61, no. 12, p. 876-80. diags. (Also Journal of the Institution of mechanical engineers, London, Nov. 1939, v. 142, no. 1, p. 69-79)
- Simplified development of prototype aeroplanes. Aeroplane, London, Nov. 2, 1939, v. 57, no. 1484, p. 550-51. diags.
- A Simplified method for development of prototype airplanes as applied to Consolidated model 31 long range patrol boat, by B. W. Sheahan. S.A.E. journal, New York, Oct. 1939, v. 45, no. 4, p. 7.

FLYING BOATS

- Stand und aussichten der überseeflugtechnik, von F. von Buddenbrock. Werft-reederei-hafen, Berlin, Sep. 15, 1939, v. 20, no. 18, p. 283-89. diags., illus.
- A Cooling development. Aeroplane, London, June 14, 1939, v. 56, no. 1464, p. 764. illus.
- Wings over water; Atlantic Clippers have long history of pioneer efforts behind their shining wings, by L. H. Engel. Science news letter, Washington, Apr. 8, 1939, v. 35, no. 13, p. 214-15. illus.
- How the Atlantic will be flown. Aviation, New York, Mar. 1939, v. 38, no. 3, p. 34-35. illus.
- Derzeitiger stand der entwicklung von langstrecken-seeflugzeugen, von Claudius Dornier. Zeitschrift des V.D.I., Berlin, Jan. 17, 1939, v. 83, no. 1, p. 2-12. diags., illus., tables.
- Où s'arrêtera la course au tonnage des avions et hydravions géants? par Camille Rougeron. La Science et la vie, Paris, Dec. 1938, v. 54, no. 258, p. 539-47. diags., illus., tables.
- Boeing Clipper progresses. Scientific american, New York, July 1938, v. 159, no. 1, p. 29-30. illus.
- Tomorrow's airplane. Fortune, Chicago, July 1938, v. 18, no. 1, p. 52-65. diags., illus.
- Big boats boom, by Paul S. Johnston. Technology review, Cambridge, Mass., Feb. 1938, v. 40, no. 4, p. 175-77, 194-96. illus.
- Flying boat evolution, by A. Gouge. Flight, London, Dec. 17, 24, 1937, v. 30, no. 1460, 1461, p. 646-49; 680-84. diags.

HULLS

- A New method of studying the flow of the water along the bottom of a model of a flying-boat hull, by K. E. Ward. Washington, 1940. 9 p. diags. (N.A.C.A. Technical notes no. 749)
- Tank tests to determine effects of chine flare of flying-boat hull N.A.C.A. model series 62 and 69, by J. W. Bell and R. E. Olson. Washington, 1939. 15 p. tables. (N.A.C.A. Technical notes no. 725)
- Hull and fuselage construction. Flight, London, Dec. 15, 1938, v. 34, no. 1564, p. 552-53. illus.
- Proposed method for design of bottom plating for flying-boat hulls and seaplane floats, by S. D. Berman. Journal of the Aeronautical sciences, New York, Dec. 1938, v. 6, no. 2, p. 64-67.

HULLS

- Landing stresses, a qualitative estimation of the forces on a flying-boat hull, by D. Fraser. Flight, London, Sep. 29, 1938, v. 34, no. 1553, p. d-f. illus.
- Beanspruchung von flugbooten beim aufsetzen, von E. T. Jones. Deutsche luftwacht, ausgabe Luftwissen, Berlin, July 1938, v. 5, no. 7, p. 265.
- A Discussion of certain problems connected with the design of hulls of flying boats and the use of general test data, by Walter Stuart Diehl. Washington, U. S. Govt. print. off., 1938. 8 p. diagrs., tables. (N.A.C.A. Report no. 625)
- A General tank test of a model of the hull of the P 3M-1 flying boat including a special working chart for the determination of hull performance, by John R. Dawson. Washington, 1938. 9 p. diagrs. (N.A.C.A. Technical notes no. 681)
- Increase in frictional resistance caused by various types of rivet heads as determined by tests of planing surfaces, by S. Truscott and J. B. Parkinson. Washington, 1938. 7 p. diagrs., tables. (N.A.C.A. Technical notes no. 648)
- Rückschlüsse von Lufthansa-betriebserfahrungen mit schwimmwerken auf die lastannahmen, von M. H. Lang. (In Jahrbuch der deutschen luftfahrtforschung, München, 1938, p. 339-41)
- Tank tests of model of one hull of Savoia S-55-X flying boat, by J. M. Allison. Washington, 1938. 11 p. diagrs., illus. (N.A.C.A. Technical notes no. 635)
- The Air drag of hulls, by L. P. Coombes and K. W. Clark. Aircraft engineering, London, Dec. 1937, v. 9, no. 106, p. 315-28. diagrs.
- The Hull-less flying boat, by H. Roxbee Cox and L. P. Coombes. Aeroplane, London, Dec. 1937, v. 53, no. 1384, p. 677-80. illus., tables.

PERFORMANCE AND TESTING

- Reversible pitch propellers as applied to water handling of multi-engine flying boats, by C. W. Chillson. Journal of the Aeronautical sciences, New York, May 1940, v. 7, no. 7, p. 269-75. illus.
- Exploratory flying-boat. Flight, London, Jan. 11, 1940, v. 37, no. 1620, p. 33. illus.
- The Navy's newest patrol bomber arrives for tests, by T. N. Sandifer. U. S. Air services, Washington, Jan. 1940, v. 25, no. 1, p. 32. illus.

FLYING BOATS

- German long-range flying boat. Aircraft engineering, London, Sep. 1939, v. 11, no. 127, p. 357-61.
- A Retractable tap. Aeroplane, London, July 26, 1939, v. 57, no. 1470, p. 132. illus.
- L'Hydravion à grand rayon d'action Dornier DO 26. Les Ailes, Paris, July 20, 1939, v. 19, no. 944, p. 8. illus.
- Increasing flying boat maneuverability on the water; Curtiss propeller. Scientific american, New York, July 1939, v. 161, no. 1, p. 30. diags., illus.
- Turning on a dime with the Curtiss-Wright propeller. Aviation, New York, May 1939, v. 38, no. 5, p. 38. diags., illus.
- Start und landeschleunigung in flugbooten, von G. C. Abel. Deutsche luftwacht, ausgabe Luftwissen, Berlin, Apr. 1939, v. 6, no. 4, p. 145.
- Der Luftwiderstand von schwimmern und flugbooten, von B. Göthart und W. Ribnitz. Deutsche luftwacht, ausgabe Luftwissen, Berlin, Mar. 1939, v. 6, no. 3, p. 101-07. diags., illus.
- Hochseegrossflugboot Dornier DO 24 in den tropen. Dornier-post, Friedrichshafen, Feb. 1939, v. 5, no. 5, p. 98-101. diags., illus.
- L'Hydravion de défense et de reconnaissance Blohm et Voss Ha 138. L'Aérophile, Paris, Feb. 1939, v. 47, no. 2, p. 5. illus.
- Aéroplanes à l'essai. Les Ailes, Paris, Oct. 6, 13, 1938, Jan. 12, 1939, v. 18, 19, no. 903, 904, 917, p. 9; 9; 7. diags., illus.
- Derzeitiger stand der entwicklung von langstrecken-seeflugzeugen, von C. Dornier. Zeitschrift des V.D.I., Berlin, Jan. 7, 1939, v. 83, no. 1, p. 2-12. diags., illus., tables.
- Startberechnung für flugboote, von Walter S. Diehl. Deutsche luftwacht, ausgabe Luftwissen, Berlin, Jan. 1939, v. 6, no. 1, p. 41.
- Boeing Clipper now in hands of CAA for scientific tests of air seaworthiness. U. S. Air services, Washington, Dec. 1938, v. 23, no. 12, p. 21-22, 34. illus.
- Boeing completes test on the 314 flying boat. Aero digest, New York, Dec. 1938, v. 33, no. 6, p. 44-45, 78. illus.
- Laboratory aloft. Aviation, New York, Dec. 1938, v. 37, no. 12, p. 28-29. illus.

PERFORMANCE AND TESTING

- Tons aloft; test piloting the transatlantic Clipper, by C. B. Allen and E. T. Allen. Saturday evening post, Philadelphia, Sep. 17, 1938, v. 211, no. 12, p. 12-13. illus.
- Operating experience with Junkers aero engines. Engineering, London, Sep. 9, 1938, v. 146, no. 3791, p. 315-17. diags., illus.
- Lateral stability of flying boats on water, by G. H. Bromhead. Aeroplane, London, Aug. 31, 1938, v. 55, no. 1423, p. 265. illus.
- Operating characteristics of large flying boats, by W. K. Ebel. S.A.E. journal, New York, Aug. 1938, v. 43, no. 2, p. 7-12. illus.
- Testing the first Atlantic Clipper, by V. S. Haven. National aeronautics, Washington, July 1938, v. 16, no. 7, p. 6-7. illus.
- Method of calculating seaplane take-off, by V. Outman. Aero digest, New York, June 1938, v. 32, no. 6, p. 53-54, 59-60. illus. (Abstract Deutsche luftwacht, ausgabe Luftwissen, Berlin, July 1938, v. 5, no. 7, p. 265)
- Diesel engines set air record. Diesel digest, Los Angeles, Cal., May 1938, v. 5, no. 5, p. 18-19.
- Dornier flugboot D 18 überbietet den internationalen langstreckenrekord für seeflugzeuge. Dornier-post, Friedrichshafen, May 1938, v. 4, no. 16, p. 272-77. illus.
- Il Volo Roma-Rio de Janeiro, di A. Mori. Rivista aeronautica, Roma, Apr. 1938, v. 14, no. 4, p. 16-29. illus., tables.
- Giant flying Clipper boats can make turn on a dime. Science news letter, Washington, Mar. 19, 1938, v. 33, no. 12, p. 179.
- Vier jahre Südatlantikdienst mit Dornier flugbooten. Dornier-post, Friedrichshafen, Mar. 1938, v. 4, no. 15, p. 349-51. illus.
- Over vliegbooten bij starten en landen, door J. Steynis. Luchtmacht, Amsterdam, Feb. 1938, v. 7, no. 2, p. 151-63. illus., table.
- Notes techniques sur une série de performances d'hydraviation marchande. L'Aéronautique, Paris, Jan. 1938, v. 20, no. 224, p. 2-9. illus.
- A General tank test of a model of the hull of the P3M-1 flying boat including a special working chart for the determination of hull performance, by John R. Dawson. Washington, 1938. 8 p. diags., tables. (N.A.C.A. Technical notes no. 681)

FLYING BOATS

- Planing surface at large Froude numbers - airfoil comparison, by A. Sambraus. Washington, 1938. 19 p. diags., illus. (N.A.C.A. Technical memorandums no. 848) (From Luftfahrtforschung, München, Aug. 20, 1936, v. 13, no. 8, p. 118-29)
- Study of flying boat take-off, by W. S. Diehl. Washington, 1938. 16 p. diags., tables. (N.A.C.A. Technical notes no. 643)
- Tank tests of a model of one hull of the Savoia S-55-X flying boat - N.A.C.A. model 46, by John M. Allison. Washington, 1938. 11 p. diags., tables. (N.A.C.A. Technical notes no. 635)
- Tank tests of a model 36 flying-boat hull, by J. M. Allison. Washington, 1938. 9 p. diags., illus. (N.A.C.A. Technical notes no. 638)
- Tank tests to show the effect of rivet heads on the water performance of a seaplane float, by J. B. Parkinson. Washington, 1938. 13 p. diags., tables. (N.A.C.A. Technical notes no. 657)
- Test on experimental flotation compartment test specimen, by F. C. Vernon. Washington, U. S. Govt. print. off., 1938. 6 p. diags. (Air service information circular no. 712)

FLYING BOATS - BY MANUFACTURER

AMIOT

- Hydravion de bombardement. La Technique aéronautique, Paris, Mar. 1938, v. 29, no. 149, p. 162-64. diags., illus., tables.

BENOIST

- Description of the large flying-boat SE-200. Interavia, Geneva, Nov. 23, 1938, no. 596, p. 8-9. illus.
- Une exploration dans les aménagements de l'hydravion transatlantique SE-200. Les Ailes, Paris, July 21, 1938, v. 18, no. 892, p. 8. diags., illus.

BOEING

- Pan-American airway's Boeing stratoliner. Aero digest, New York, Apr. 1940, v. 36, no. 4, p. 29-30. illus.
- Pan-American ready with Boeing stratoliner for inter-american service. U. S. Air services, Washington, Apr. 1940, v. 25, no. 4, p. 12-14. illus.

BOEING

In the transatlantic service; Boeing Clippers. Scientific american, New York, Aug. 1939, v. 161, no. 2, p. 76-77. illus.

Yankee Clipper, by H. Ketcham. Modern plastics, New York, June 1939, v. 16, no. 10, p. 23-25. illus.

Modern cockpits - Boeing flying boat. Scientific american, New York, May 1939, v. 160, no. 5, p. 309. illus.

Warm air system heats giant plane. Heating, piping and air conditioning, Chicago, Mar. 1939, v. 11, no. 3, p. 168-70. diagrs., illus.

The Boeing "Super Clipper". Interavia, Geneva, Feb. 11, 1939, no. 617, p. 1-3.

Pan-American south Pacific service plans. Aircraft, Melbourne, Jan. 1939, v. 17, no. 4, p. 13-14. illus.

Boeing model 314 flying boat. Seattle, Craftsman press, 1939. 288 p. diagrs., illus.

Handbook of instruction for operation of the Boeing model 314 flying boat. Seattle, Boeing aircraft company, 1939. 112 p. illus.

L'Hydravion à coque Boeing 314. Les Ailes, Paris, 1939, v. 19, no. 932, p. 9. illus.

Boeing Clipper now in hands of CAA for scientific tests of air seaworthiness. U. S. Air services, Washington, Dec. 1938, v. 23, no. 12, p. 21-22, 34. illus.

Boeing completes test on the 314 flying boat. Aero digest, New York, Dec. 1938, v. 33, no. 6, p. 44-45, 78. illus. (Also U. S. Air services, Washington, Dec. 1938, v. 23, no. 12, p. 21-22, 34 and Aviation, New York, Dec. 1938, v. 37, no. 12, p. 28-29)

Laboratory aloft. Aviation, New York, Dec. 1938, v. 37, no. 12, p. 28-29. illus.

Big Boeing, by H. Mansfield. Western flying, Los Angeles, Cal., July, Oct. 1938, v. 18, no. 7, 10, p. 18-20, 26; 20-21. illus., tables. (Abstract U. S. Air services, Washington, July 1938, v. 23, no. 7, p. 13)

Leviathan of the air. Boeing answers transport's call for a super-Clipper, by Gordon Sears Williams. Air trails, New York, Sep. 1938, v. 10, no. 6, p. 24-25, 80. illus.

Boeing Clipper progresses. Scientific american, New York, July 1938, v. 159, no. 1, p. 29-30. illus.

FLYING BOATS - BY MANUFACTURER

- Boeing 314, by F. E. Samuels. Aero digest, New York, July 1938, v. 33, no. 1, p. 42. illus.
- New Boeing 74-passenger ocean air liner. U. S. Air services, Washington, July 1938, v. 23, no. 7, p. 13.
- Building Boeing Clipper flying boats. Machinery, London, June 23, 1938, v. 52, no. 1342, p. 362-65.
- Boeing Clipper beaching gear. Aero digest, New York, June 1938, v. 32, no. 6, p. 87. illus.
- Boeing's 314 takes to air. Aero equipment review, Minneapolis, Minn., June 1938, v. 5, no. 1, p. 5-6. illus.
- South seas Clipper; 72-passenger Boeing giant built for Pan-American airways. Science, New York, May 20, 1938, v. 87, no. 2264, p. 10-11. illus.
- Aerial Leviathan emerges. Canadian aviation, Toronto, Mar. 1938, v. 11, no. 3, p. 22-23. diags.

BRÉGUET

- L'Hydravion d'exploration Bréguet 730, par A. Frachet. Les Ailes, Paris, Nov. 24, 1938, v. 18, no. 910, p. 9. illus., table. (Also L'Air, Paris, June 1, 1938, v. 20, no. 446, p. 345-46)
- Le Problème des hydravions destinés à la traversée aérienne sans escale France-Etats-Unis d'Amérique, par Louis Bréguet. La Science aérienne, Paris, Jan., Feb. 1938, v. 7, no. 1, p. 11-54. diags., illus., tables.

C.A.M.S.

- The Way to progress. Flight, London, June 30, 1938, v. 33, no. 1540, p. 641. illus. (Also Flight, London, June 29, 1938, v. 54, no. 1414, p. 811-12)

C.A.N.T.

- L'Hydravion de reconnaissance "Cant. Z 506". L'Écho des ailes, Bruxelles, Dec. 30, 1937, v. 7, no. 52, p. 617. illus., table.

CAPRONI

- Un Nouvel hydravion Caproni CA 312. Aéro revue, Berne, Mar. 1940, v. 15, no. 5-6, p. 77-78. illus.

CONSOLIDATED

- Consolidated, biggest builder of flying boats, by C. D. Herb. Machinery, New York, July 1940, v. 46, no. 11, p. 188-92. illus.
- Les Hydravions Consolidated. Description détaillée de tous les modèles depuis 1928. Revue de l'armée de l'air, Paris, Nov.-Dec. 1939, no. 119, p. 671-702. illus.
- Nytt atlantflygplan. Flygning, Stockholm, Nov. 1939, v. 17, p. 12. illus.
- A Simplified method for development of prototype airplanes as applied to Consolidated model 31 long range patrol boat, by B. W. Sheahan. S.A.E. journal, New York, Oct. 1939, v. 45, no. 4, p. 7.
- Pictorial specifications. Flight, London, Aug. 10, 1939, v. 36, no. 1598, p. 132a-132b.
- Flying boats by Consolidated. Western machinery and steel world, San Francisco, Cal., July 1939, v. 30, no. 7, p. 194-97.
- A New boat with a new wing. Aeroplane, London, June 7, 1939, v. 56, no. 1463, p. 732-33. illus. (Also Aviation, New York, June 1939, v. 38, no. 6, p. 38-39)
- Consolidated boat for Felixstone. Flight, London, June 1, 1939, v. 35, no. 1588, p. 572.
- Consolidated 25-ton model 31 flying boat. Aero digest, New York, June 1939, v. 34, no. 6, p. 85. illus.
- Hush-hush boat; Consolidated's mystery plane; model 31-twin engined flying boat. Aviation, New York, June 1939, v. 38, no. 6, p. 38-39. illus.
- Flying boats that bomb. American machinist, New York, May 31, 1939, v. 83, no. 11, p. 377-86. diagrs., illus.
- The Latest from the N.A.C.A. Aeroplane, London, May 24, 1939, v. 56, no. 1461, p. 644.
- Flying boat Consolidated 31. Interavia, Geneva, May 19, 1939, no. 645, p. 4. illus.
- A Long-range boat. Aeroplane, London, Apr. 15, 1939, v. 56, no. 1454, p. 419.
- The Consolidated "Guba" impresses. Aircraft, Melbourne, Jan. 1939, v. 17, no. 4, p. 8-9. illus.
- Consolidated PBV (type 28). Interavia, Geneva, Oct. 3, 1938, no. 581-582, p. 11. illus.

FLYING BOATS - BY MANUFACTURER

- The Consolidated Atlantic flying-boat. Interavia, Geneva, July 19, 1938, no. 562, p. 5. diags.
- Consolidated 100-passenger flying boat, by T. P. Hall. Consolidator, San Diego, Cal., July 1938, v. 3, no. 7, p. 12-14. diags.
- Consolidated looks ahead. Aviation, New York, June 1938, v. 37, no. 6, p. 41. illus.
- Consolidated four-engined giant flying boat. Interavia, Geneva, Feb. 5, 1938, no. 514, p. 12. illus.
- Consolidated XPB2X-1. Aviation, New York, Jan. 1938, v. 37, no. 1, p. 30-31. illus. (Also Western flying, Los Angeles, Cal., Jan. 1938, v. 18, no. 1, p. 30)
- Consolidated's trans-oceanic project. Aviation, New York, Jan. 1938, v. 37, no. 1, p. 24-25. illus.

DORNIER

- L'Hydravion-éclaireur Dornier-24, par A. Frachet. Les Ailes, Paris, Jan. 4, 1940, v. 20, no. 962, p. 3. illus.
- The Dornier DO-17 and DO-215 bombers. Aeroplane, London, Dec. 22, 1939, v. 57, no. 1491, p. 808-10. diags.
- The Dornier flying boats, by H. F. King. Flight, London, Nov. 9, 1939, v. 36, no. 1608, p. 372a-372d. diags., illus.
- German long-range flying boat. Aircraft engineering, London, Sep. 1939, v. 11, no. 127, p. 357-61.
- Dornier DO-26 long-range flying boat. Aero digest, New York, Nov. 1938, Aug. 1939, v. 33, 35, no. 5, 2, p. 103; 138-41. illus. (Also Les Ailes, Paris, July 20, 1939, v. 19, no. 944, p. 8)
- Dornier transatlantic flying boat. Engineering, London, May 26, 1939, v. 147, no. 3828, p. 618-19. illus.
- L'Hydraviation allemande pour l'Atlantique Nord, (description du Dornier DO-26), par R. Maurer. L'Aéronautique, Paris, Apr. 1939, v. 21, no. 239, p. 193-97. illus.
- Hochseegrossflugboot Dornier DO-24 in den tropen. Dornier-post, Friedrichshafen, Feb. 1939, v. 5, no. 5, p. 90-101. illus., table.
- Transocean-flugboot Dornier DO-26. Deutsche luftwacht, ausgabe Luftwissen, Berlin, Feb. 1939, v. 6, no. 2, p. 67-71. diags., illus.

DORNIER

Derzeitiger stand der entwicklung von langstrecken-seeflugzeugen, von Claudius Dornier. Zeitschrift des V.D.I., Berlin, Jan. 1939, v. 83, no. 1, p. 2-12. diagrs., illus., tables.

Sviluppo delle costruzioni Dornier. L'Aerotecnica, Roma, Jan. 1939, v. 19, no. 1, p. 46-55. diagrs., illus.

---und wieder waren es Dornier flugboote, von Joachim Matthias. Dornier-post, Friedrichshafen, Jan. 1939, v. 5, no. 2, p. 28-32. illus.

L'Hydravion "transat" Dornier "DO-26", par A. Frachet. Les Ailes, Paris, Dec. 29, 1938, v. 18, no. 915, p. 9. illus.

New four-engined Diesel flying boat for transatlantic air service, by P. H. Wilkinson. Diesel progress, New York, Nov. 1938, v. 4, no. 11, p. 36-37. diagrs.

DO-26 Dornier flugboot. Deutscher techniker, Berlin, Oct. 1938, v. 6, no. 10, p. 8. illus.

L'Hydravion transatlantique Dornier DO-26 (Allemagne). L'Aéro-
phile, Paris, Oct. 1938, v. 46, no. 10, p. 223. illus.,
table.

Langstrecken flugboot Dornier DO-26, von E. Berendt. Zeitschrift des V.D.I., Berlin, Oct. 1938, v. 82, no. 40, p. 1181-82. illus.

Il Quadrimotore Dornier "DO-26". Rivista aeronautica, Roma, Oct. 1938, v. 14, no. 10, p. 115-17. illus.

Zum neuen Atlantik-flugboot DO-26. Das Industrieblatt, Stuttgart, Sep. 16, 1938, v. 43, no. 26, p. 1057-58. illus.

A Remarkable Dornier boat. Flight, London, Sep. 8, 1938, v. 33, no. 1550, p. 197, 217-18. illus., table. (Also Aeroplane, London, Sep. 7, 1938, v. 55, no. 1424, p. 275, 289-90)

Dornier DO-26 viermotoriges transozean-flugboot und anderes. Dornier-post, Friedrichshafen, June-July, Aug.-Sep. 1938, v. 4, no. 17, 18, p. 397-98; 422-44. illus.

A Long-range flying boat. Shell aviation news, London, Sep. 1938, no. 87, p. 22-23. illus.

Dornier-flugboot DO-26 für den Nordatlantikverkehr. Deutsche luft-
wacht, ausgabe Luftwissen, Berlin, Aug. 1938, v. 5, no. 8,
p. 294.

L'Idrovolante militare Dornier "DO-24". Rivista aeronautica, Roma, Aug. 1938, v. 14, no. 8, p. 376-78. illus.

FLYING BOATS - BY MANUFACTURER

Dornier flugboot DO-18 überbietet den internationalen langstreckenrekord für seeflugzeuge. Dornier-post, Friedrichshafen, Apr.-May 1938, v. 4, no. 16, p. 373-77. illus.

Dornier DO-24. Aircraft engineering, London, Mar. 1938, v. 10, no. 109, p. 83. illus.

Hochsee-grossflugboot Dornier DO-24, von E. Berendt. Zeitschrift des V.D.I., Berlin, Mar. 1938, v. 82, no. 10, p. 297. illus., table.

Vier jahre Südatlantikdienst mit Dornier flugbooten. Dornier-post, Friedrichshafen, Feb.-Mar. 1938, v. 4, no. 15, p. 349-51. illus.

HEINKEL

The Heinkel HE-115 flying boat. Les Ailes, Paris, July 20, 1939, v. 19, no. 944, p. 9.

JUNKERS

Operating experience with Junkers aero engines. Engineering, London, Sep. 9, 1938, v. 146, no. 3791, p. 315-17. diags., illus.

LATÉCOÈRE

Aéroplanes à l'essai. Les Ailes, Paris, Oct. 6, 13, 1938, v. 18, no. 903, 904, p. 9; 9. illus.

Latécoère model 521 trans-Atlantic flying boat. Aero digest, New York, Oct. 1938, v. 33, no. 4, p. 103. illus.

France's Atlantic plans. Flight, London, June 23, 1938, v. 33, no. 1539, p. 612. diags.

L'Hydravion torpilleur Latécoère 298, par A. Frachet. Les Ailes, Paris, Mar. 31, 1938, v. 18, no. 876, p. 9. illus.

Le Latécoère 631 hexamoteur Gnôme-Rhone L.18. Plein ciel, Paris, Jan.-Feb. 1938, v. 11, p. 15-18. illus.

Chez Latécoère. L'Hydravion transatlantique-nord Latécoère 631. L'Air, Paris, Jan. 1, 1938, no. 436, p. 14-15. illus., tables.

Notes techniques sur une série de performances d'hydraviation marchande. L'Aéronautique, Paris, Jan. 1938, v. 20, no. 224, p. 2-9. illus.

LIORE ET OLIVIER

L'Hydravion LE OH-47, par J. Delsuc. L'Air, Paris, July 20, 1939, no. 473, p. 463-67. diagrs., illus.

Lioré et Olivier LE OH-246. Deutsche luftwacht, ausgabe Luftwissen, Berlin, Mar. 1938, v. 5, no. 3, p. 98-99. illus.

MACCHI

L'Hydravion Macchi C-99. L'Aérophile, Paris, Nov. 1938, v. 46, no. 11, p. 246. illus., tables.

MARTIN

Martin completes patrol bomber for U. S. Navy. Aero digest, New York, Apr. 1939, v. 34, no. 4, p. 32. illus.

Martin 162. Aviation, New York, Apr. 1939, v. 38, no. 4, p. 30-31. illus.

Something about Martin ships. Aeroplane, London, July 20, 1938, v. 55, no. 1417, p. 74.

Martin builds "ocean transport". Canadian aviation, Toronto, Apr. 1938, v. 11, no. 4, p. 12. (Also American machinist, New York, Feb. 23, 1938, v. 82, no. 4, p. 101-03 and Aviation, New York, Dec. 1937, v. 36, no. 12, p. 36-37, 40)

POTEZ

Un Hydravion hexamoteur Potez 160, par P. Légli. L'Aéronautique, Paris, Dec. 1938, v. 20, no. 235, p. 268-75. illus., tables.

L'Aéronautique au jour le jour; 1^{er}-31 Juillet 1938, par E. Thouzellier. L'Aéronautique, Paris, Sep. 1938, v. 20, no. 232, p. 198-200. illus.

L'Hydravion Potez 160. L'Air, Paris, Aug. 20, 1938, no. 450-451, p. 487, 495. illus.

Hydravion Potez de croisière, type 141. L'Aérophile, Paris, Mar. 1938, v. 46, no. 3, p. 60-61. illus.

L'Hydravion de croisière Potez-Cams "141", par A. Frachet. Les Ailes, Paris, Feb. 24, 1938, v. 18, no. 871, p. 9. illus.

ROHRBACH

L'Hydravion de chasse catapultable RO-44. L'Aérophile, Paris, Feb. 1939, v. 47, no. 2, p. 34-35. illus. (Also Aéro revue, Berne, Jan. 1939, v. 14, no. 2, p. 28)

FLYING BOATS - BY MANUFACTURER

SAVOIA-MARCHETTI

Tank tests of a model of one hull of the Savoia S-55-X flying boat, (N.A.C.A. model 46), by J. M. Allison. Washington, 1938. 11 p. illus. (N.A.C.A. Technical notes no. 635)

SEVERSKY

Seversky super Clipper. Interavia, Geneva, Mar. 29, 1938, no. 530, p. 1-3. illus. (Also Vliegwereld, Haarlem, Mar. 1938, v. 4, no. 11, p. 176-77)

SHORT

The Detailed construction of Empire flying boats, by G. W. Mullett. Light metals, London, Feb. 1940, v. 3, no. 25, p. 30-37. diagrs., illus., tables.

Building the Short Sunderland, by S. W. Hiscocks. Aircraft production, London, Jan. 1940, v. 2, no. 1, p. 11-20, illus., table.

Englisches flugboot Short "Kleni G" 32 T Goldenhind. Flugsport, Frankfurt A/M, Sep. 27, 1939, v. 31, no. 20, p. 493-96. diagrs., illus.

Large flying boats in series. Aircraft engineering, London, Aug. 1939, v. 11, no. 126, p. 319-24, 325-31. illus.

This desirable residence. Flight, London, Apr. 6, 1939, v. 35, no. 1580, p. 352b-352c. illus.

The New big Empire boats. Aeroplane, London, Mar. 22, 1939, v. 56, no. 1452, p. 375.

Sunderlands - die neuen gigantischen "flugboote der britischen luftwaffe". Schweizer aero revue, Berne, Mar. 10, 1939, no. 5, p. 83. illus.

"Cabot" first of a fleet of eight new Short flying boats. Aircraft, Melbourne, Feb. 1939, v. 17, no. 5, p. 16. illus.

The Sunderland I. Flight, London, Jan. 26, 1939, v. 35, no. 1570, p. 75-79. illus.

The Sunderland flying boats of the Royal air force. Aeroplane, London, Jan. 25, 1939, v. 56, no. 1444, p. 106-07, 115-17. illus.

Cabotage. Flight, London, Dec. 8, 1938, v. 34, no. 1563, p. 515. illus.

SHORT

- The Short Sunderland. Flight, London, Dec. 8, 1938, v. 34, no. 1563, p. 524-25. illus.
- Developing our flying boats. Aeroplane, London, Oct. 5, 1938, v. 55, no. 1428, p. 401. illus.
- La Mise au point du Short-Mayo, "avion composite". Revue de l'Armée de l'air, Paris, Aug. 1938, no. 109, p. 885-89.
- Short Mayo composite aircraft. Aero digest, New York, Aug. 1938, v. 33, no. 2, p. 315. illus. (Also Engineer, London, Mar. 4, 1938, v. 165, no. 4286, p. 254)
- The Short Sunderland. Flight, London, June 2, 1938, v. 33, no. 1536, p. 538, 554, 556. illus. (Also Aeroplane, London, June 1, 1938, v. 54, no. 1410, p. 660-76)
- In defence of the Mayo composite, by Nigel Tangye. Aeroplane, London, Apr. 13, 1938, v. 54, no. 1403, p. 441-42.
- Second parting. Flight, London, Mar. 3, 1938, v. 33, no. 1523, p. 209. illus.
- Second separation. Aeroplane, London, Mar. 2, 1938, v. 54, no. 1379, p. 266-67.
- Mayo composite aircraft - why and how. Aeroplane, London, Feb. 16, 1938, v. 54, no. 1395, p. 195-201. illus.
- A Midway milestone. Flight, London, Feb. 10, 1938, v. 33, no. 1520, p. 124-25. illus.
- Composite aircraft designed by Major R. H. Mayo. Mechanical engineering, New York, Feb. 1938, v. 60, no. 2, p. 164.
- Britain's hitch-flyer. Popular aviation, Chicago, Jan. 1938, v. 22, no. 1, p. 35. illus.

SIKORSKY

- Das Grossflugboot, von I. Sikorsky. (In Hauptversammlung der Lilienthal gesellschaft, Berlin, Oct. 1938, p. 1426, illus., tables)
- Neue flugzeuge der luftwaffe. Deutsche luftwacht, ausgabe Luftwehr, Berlin, Sep. 1938, v. 5, no. 9, p. 385-88. illus.
- The Yankee Clippers of P.A.A. Interavia, Geneva, Mar. 29, 1938, no. 530, p. 1-3. diags., illus.
- The Story of the winged S, by I. Sikorsky. New York, Dodd-Mead and company, 1938. 266 p. diags., illus.

FLYING BOATS

GENERAL

- Consolidating the thin wing. *Aeroplane*, London, Aug. 2, 1940, v. 59, no. 1523, p. 124-25. illus.
- News from Germany. *Aeroplane*, London, May 31, 1940, v. 58, p. 735.
- A New military flying boat. *Engineer*, London, May 24, 1940, v. 167, p. 475.
- Italian marine aircraft and a trainer. *Flight*, London, Apr. 1940, v. 37, no. 1633, p. 330d. illus.
- American military flying boats. *Aeroplane*, London, Mar. 15, 1940, v. 58, no. 1503, p. 366-67. illus., tables.
- Dynamic similarity. *Flight*, London, Mar. 14, 1940 v. 37, no. 1629, p. 251.
- Shore-based marine aircraft and coast-defence landplanes. *Flight*, London, Mar. 14, 1940, v. 37, no. 1629, p. 237-38. illus.
- Big boats in the navy service, by A. M. Pride. *Aero digest*, New York, Feb. 1940, v. 36, no. 2, p. 41-43. illus.
- Maintaining our sea routes. *Aeroplane*, London, Dec. 8, 1939, v. 56, no. 1489, p. 697. illus.
- The Future of flying, by H. E. Wimperis. *Journal of the R.A.S.*, London, Nov. 1939, v. 43, p. 875-83. illus.
- A German long-range flying-boat. *Aircraft engineering*, London, Sep. 1939, v. 11, p. 357-61. illus.
- Comparaison des hydravions et des avions, par I. Sikorsky. *Le Génie civil*, Paris, Aug. 19, 1939, v. 115, no. 2975, p. 161-63.
- Englisches flugboot "Berwick". *Flugsport*, Frankfurt A/M, Aug. 16, 1939, v. 31, no. 17, p. 445. illus.
- Conquering the Atlantic. *Scientific american*, New York, Aug. 1939, v. 161, no. 2, p. 94-95. illus.
- Large flying boats in series. *Aircraft engineering*, London, Aug. 1939, v. 11, no. 126, p. 319-31. diagrs., illus.
- Accident to the flying boat Calpurnia. *Engineering*, London, July 28, 1939, v. 148, no. 3851, p. 125.
- America's bid for supremacy in the transatlantic air travel, by T. P. Hay. *Aero digest*, New York, July 1939, v. 35, no. 1, p. 24-27. illus.

GENERAL

Servicing our flying fleets, by F. B. Stump. Aviation, New York, July 1939, v. 38, no. 7, p. 28-31.

Défense de l'Empire et escadrilles impériales, par Gaudillère. Revue de l'Armée de l'air, Paris, May-June 1939, no. 116, p. 243-62. illus.

L'Avenir des services aériens sur l'Atlantique Nord, par A. Verdurand. L'Aéronautique, Paris, May 1939, v. 21, no. 240, p. 169-72.

Les Lignes aériennes en Baltique Orientale, par H. Debouché. L'Aéronautique, Paris, May 1939, v. 21, no. 240, p. 173-79. illus.

New York to Europe by Clipper. Popular mechanics, Chicago, May 1939, v. 71, no. 5, p. 668-71. diags.

Pan-American Clipper. Die neuen transozean flugschiffe für 74 personen, von A. Lion. Schweizer aero revue, Berne, Apr. 10, 1939, no. 7, p. 153-55. illus.

The Large flying boat and air refueling. Flight, London, Apr. 6, 1939, v. 35, no. 1580, p. 342-44. illus., tables.

Caractéristiques d'un bassin artificiel pour le départ et l'amerrissage d'hydravions transocéaniques dans la région parisienne, par R. Maurer. L'Aéronautique, Paris, Apr. 1939, v. 21, no. 239, p. 136-39. diags., illus.

L'Hydraviation allemande pour l'Atlantique Nord. L'Aéronautique, Paris, Apr. 1939, v. 21, no. 239, p. 139-47.

Martin completes patrol bomber for U. S. navy. Aero digest, New York, Apr. 1939, v. 34, no. 4, p. 32. illus.

74 passenger Clipper for Atlantic service to use southern terminal. Manufacturer's record, Baltimore, Md., Apr. 1939, v. 108, no. 4, p. 39. illus.

Flying boats. Flight, London, Mar. 30, 1939, v. 35, no. 1579, p. 335-36. illus.

The New big Empire boats. Aeroplane, London, Mar. 22, 1939, v. 56, p. 375.

L'Infrastructure du transport aérien à travers l'Atlantique Nord, par Robert Boname. L'Aéronautique, Paris, Mar. 1939, v. 21, no. 238, p. 108-17. illus.

Ocean-going aircraft and the U. S. coast guard; necessity for radio emergency procedure, by H. W. Roberts. Aero digest, New York, Mar. 1939, v. 35, no. 3, p. 45-46. illus.

FLYING BOATS

- Résultats obtenus avec les moteurs Junkers à huile lourde en service à la Deutsche Lufthansa, par P. Léglise. L'Aéronautique, Paris, Mar. 1939, v. 21, no. 238, p. 121-24. diagrs., illus.
- Warm air system heats giant plane. Heating, piping and air conditioning, Chicago, Mar. 1939, v. 11, no. 3, p. 168-70. diagrs., illus.
- The Final inspection of flying boats, by R. H. Longe. Aircraft production, London, Feb. 1939, v. 1, no. 4, p. 133-37. illus.
- Derzeitiger stand der entwicklung von langstrecken-seeflugzeugen, von Claudius Dornier. Zeitschrift des V.D.I., Berlin, Jan. 1939, v. 83, no. 1, -p. 2-12. diagrs., illus., tables.
- Het Oceaانvliegtuig van morgen, door F. Habnit. Vliegwereld, Haarlem, 1938-1939, v. 4, no. 24-25, p. 424-27; 440-42. illus.
- Schip of vliegboot voor het passagiersvervoer in Nederlandsch-Indië, door P. J. C. Vos. Vliegwereld, Haarlem, 1938-1939, v. 4, no. 16, p. 256-57. illus.
- und wieder waren es Dornier flugboote, von Joachim Matthias. Dornier-post, Friedrichshafen, 1939, v. 5, no. 2, p. 28-32. illus.
- De "Yankee Clippers". Vliegsport, Amsterdam, 1938-1939, v. 4, no. 9, p. 6-9. illus.
- Aeroplanes at the Paris aero show. Aeroplane, London, Nov. 30, 1938, v. 55, no. 1436, p. 703-16. illus.
- L'Hydravion d'entraînement C.A.O. "300", par A. Frachet. Les Ailes, Paris, Nov. 10, 1938, v. 18, no. 908, p. 9. illus.
- Aéropplanes de l'aviation militaire allemande. Revue de l'Armée de l'air, Paris, Nov. 1938, no. 112, p. 1256-1320. illus.
- Flying battleships, by Kurt Rand. Popular aviation, Chicago, Nov. 1938, v. 23, no. 5, p. 52, 80-81. illus.
- Trend in design of large flying boats, by Igor Sikorsky. Aero digest, New York, Nov. 1938, v. 33, no. 5, p. 44-47, 76, 84. diagrs., illus., tables.
- France's new flying boats will be sixty-tonners. Science news letter, Washington, Oct. 8, 1938, v. 34, no. 15, p. 232.
- Blazing a trail for trans-Atlantic air travel, by C. Caldwell. Aero digest, New York, Oct. 1938, v. 33, no. 4, p. 58-59. illus.

GENERAL

- Dornier DO-26 viermotoriges transozean flugboot und anderes.
Dornier post, Friedrichshafen, Aug.-Sep. 1938, v. 4, no. 18,
p. 422-44. illus.
- Lateral stability of flying boats on water, by G. H. Bromhead.
Aeroplane, London, Aug. 31, 1938, v. 55, no. 1423, p. 265.
illus.
- En 1938, faut-il mettre en chantier des paquebots ou des hydravions? par A. Verdurand. La Science et la vie, Paris, Aug. 1938, v. 54, no. 254, p. 125-32. diags., illus.
- Operating characteristics of large flying boats, by W. K. Ebel.
Journal of the Society of aeronautical engineers, London, Aug. 1938, v. 42, no. 8, p. 7-12. (Abstract Journal of the R.A.S., London, Oct. 1938, v. 42, no. 334, p. 883)
- Transatlantic flights, by P. H. Wilkinson. Diesel progress, New York, Aug. 1938, v. 4, no. 8, p. 36-37.
- Large aeroplanes, by H. R. Cox. Journal of the R.A.S., London, July 1938, v. 42, no. 331, p. 591-602. illus.
- Today's design, tomorrow's airplane - 100 passengers, 300 miles per hour. Western flying, Los Angeles, Cal., July 1938, v. 18, no. 7, p. 12-13. illus.
- Tomorrow's airplane. Fortune, Chicago, July 1938, v. 18, no. 1, p. 52-65. diags., illus.
- Neues englisches landverkehrs-grossflugzeug, von H. Rosenberg. Rundschau deutscher technik, Berlin, June 1938, v. 18, no. 24, p. 5. illus.
- Diesel breaks world's flight record, by P. H. Wilkinson. Diesel progress, New York, May 1938, v. 4, no. 5, p. 32-33.
- Flying Pacific ocean, by H. Evarts, Jr. Diesel digest, Los Angeles, Cal., May 1938, v. 5, no. 5, p. 6-9. tables.
- Il Tonnellaggio "optimum" degli idrovolanti per la traversata Atlantica senza scalo, di Louis Bréguet. Rivista aeronautica, Roma, May 1938, v. 14, no. 5, p. 377-86. illus.
- Transoceanic flying, by J. M. Johnson. Air commerce bulletin, Washington, Apr. 15, 1938, v. 9, no. 10, p. 235-41. diags. (U. S. Department of commerce)
- Giant flying Clipper boats can make turn on a dime. Science news letter, Washington, Mar. 19, 1938, v. 33, no. 12, p. 179.
- Aerial Leviathan emerges. Canadian aviation, Toronto, Mar. 1938, v. 11, no. 3, p. 32-33.

FLYING BOATS

World's largest naval patrol bomber; XPBS-1, by A. Klemin. Scientific american, New York, Mar. 1938, v. 158, no. 3, p. 162. illus.

Zehn jahre Condor-syndikat. Dornier-post, Friedrichshafen, Feb.-Mar. 1938, no. 15, p. 351-52. illus.

Clipper ship is built, by A. P. Peck. Scientific american, New York, Feb. 1938, v. 158, no. 2, p. 82-83. illus.

New giants for the air lines. Popular mechanics, Chicago, Feb. 1938, v. 69, no. 2, p. 161-64. diagrs., illus.

Schwimmende inseln, flughilfsschiffe, zwillingsflugzeuge, von Walter Zuerl. München, Curt Pechstein, 1938. 526 p. diagrs., illus.

Super-Clippers coming. Business week, New York, Dec. 18, 1937, no. 433, p. 17. illus.

By air across the Atlantic; airplane travel to Europe is stimulated by the Maritime commission's report, by B. Stubblefield. American machinist, New York, Dec. 15, 1937, v. 81, no. 25, p. 1212.

Hydravions transatlantiques, par M. Victor. Les Ailes, Paris, Aug. 26, 1937, v. 17, p. 8. illus., tables.

Verso l'idro di 50 tonnellate. L'Ala d'Italia, Milano, July 1937, v. 15, p. 25-26. illus.

Eigenschwingungen der seeflugzeuge im ruhigen wasser, von W. Boccus. (In Jahrbuch der deutschen luftfahrtforschung, München, 1937, p. 340-54. diagrs.)

De Vliegboot is in het voordeel, door H. O. Short. Het Vliegveld, Amsterdam, 1937, v. 21, no. 9, p. 278-79. illus.

Section IV

AMPHIBIANS - BY MANUFACTURER

CONSOLIDATED

Consolidated amphibian. Aviation, New York, Jan. 1940, v. 39, no. 1, p. 49. illus.

The Navy's newest patrol bomber arrives for tests, by T. N. Sandifer. U. S. Air services, Washington, Jan. 1940, v. 25, no. 1, p. 32. illus.

Consolidated looks ahead. Aviation, New York, June 1938, v. 37, no. 6, p. 41. illus.

FLEETWING

Steps in design of bush transport aeroplane, by R. Young. Engineering journal, Montreal, May 1939, v. 22, no. 5, p. 221-24. illus.

Jacobs-powered Fleet model 5. Aero digest, New York, Sep. 1938, v. 33, no. 3, p. 78. illus.

L'Amphibie "tout-acier" Fleetwing "Sea-Bird". Les Ailes, Paris, June 9, 1938, v. 18, no. 886, p. 9. illus., tables.

Fleetwing Sea Bird amphibian. Aero digest, New York, May 1938, v. 32, no. 5, p. 46, 96. illus., tables.

GRUMMAN

Decade of Grumman progress. Aero digest, New York, Jan. 1940, v. 36, no. 1, p. 48-49, 52. illus.

Buying off the drawing; Grumman G-21 amphibian. Scientific american, New York, Feb. 1938, v. 158, no. 2, p. 103-04. illus., table.

SPENCER-LARSEN

Spencer-Larsen amphibian. Scientific american, New York, Feb. 1939, v. 160, no. 2, p. 94. diagrs., illus.

Tricycle amphibian aeroplane. Aircraft engineering, London, Dec. 1938, v. 10, no. 118, p. 379-80. illus.

The Latest thing in ducks, by M. H. Carrington. Popular aviation, Chicago, Aug. 1938, v. 23, no. 2, p. 61. illus.

AMPHIBIANS - BY MANUFACTURER

Menasco-powered Spencer-Larsen amphibian. Aero digest, New York, July 1938, v. 33, no. 1, p. 78. illus., tables. (Also Aviation, New York, July 1938, v. 33, no. 1, p. 35-36)

Klein-amphibium. Interavia, Geneva, June 11, 1938, no. 551, p. 7-8. illus.

GENERAL

Applegate two-place amphibian. Aero digest, New York, July 1939, v. 35, no. 1, p. 68. illus.

Cet amphibie a employé un moteur d'automobile. Les Ailes, Paris, June 15, 1939, v. 19, no. 939, p. 8.

Steps in design of Bush transport aeroplane, by R. Young. Engineering journal, Montreal, May 1939, v. 22, no. 5, p. 221-24. illus.

Tricycle amphibian aeroplane. Aircraft engineering, London, Dec. 1938, v. 10, no. 118, p. 379-80. illus.

The Latest thing in ducks, by M. H. Carrington. Popular aviation, Chicago, Aug. 1938, v. 23, no. 2, p. 61. illus.

Doppelflugzeuge für den Atlantikdienst, von H. Rosenberg. Rundschau deutscher technik, Berlin, May 1938, v. 18, no. 19, p. 4. illus.

AUTHOR INDEX

Abel, G.C.	22	Hanuschke, A.	5,9,10
Allen, C.B.	23	Hartman, E.P.	2,7
Allen, E.T.	23	Haven, V.S.	23
Allison, J.M.	3,21,24,32	Hay, T.P.	34
Baetz, K.	13	Herb, C.D.	27
Barjot, P.	15	Hiscocks, S.W.	16,32
Bell, J.W.	1,20	House, Rufus, O.	1,2,5,6,7
Bellot, A.	17	Johnson, J.M.	37
Perendt, E.	29,30	Johnson, L.	19
Berman, Sydney D.	4,5,6,18,20	Johnston, Paul S.	20
Berndt, E.	11	Jones, E.T.	21
Binnie, A.M.	5	Ketcham, H.	25
Boccia, W.	38	King, H.F.	14,28
Boettcher, F.	14	Klapprott, Albert	2
Bollay, William	1	Klemin, A.	7,38
Boname, Robert	35	Köhler, M.	19
Bréguet, Louis	4,26,37	Laddon, I.M.	18
Brimm, Jr., D.J.	9	Lanchester, F.H.	16
Bromhead, G.H.	6,23,37	Lang, M.H.	21
Buddenbrock, F. von	20	Léglise, Pierre	4,7,12,31,36
Caldwell, C.	36	Lion, A.	35
Carrington, M.H.	39,40	Lioré	12
Chillson, C.W.	21	Longe, R.H.	36
Clark, K.W.	21	Lorenzelli, Ezio	4,8
Clarkson, P.A.	17	Mansfield, H.	25
Coombes, L.P.	8,19,21	Matthaes, K.	6
Courtenay, W.	13	Matthias, Joachim	29,36
Cox, H. Roxbee	19,21,37	Maurer, R.	28,35
Cremona, C.	1	Mayo, R.H.	33
Dawson, John R.	2,3,7,8,21,23	Mori, A.	23
Debouché, H.	35	Morrison, R.C.	17
Delsuc, J.	9,17,31	Mullett, G.W.	16,32
Dettmann, F.	14	Nebesar, R.J.	16
Diehl, Walter Stuart	2,3,17,21	Olivier	12
	22,24	Olson, Roland E.	1,6,20
Dornier, Claudius	5,20,22,29,36	Outman, V.	8,23
Ebel, W.K.	23,37	Parkinson, H.	18
Engel, L.H.	20	Parkinson, John B.	1,2,3,4,6,7
Evarts, Jr., H.	37		21,24
Faulkner, T.P.	18	Peck, A.P.	38
Flamanc, S.	15	Perelmutter, A.	2,8
Frachet, A.	7,9,10,11,26,28,29	Pierson, J.D.	7
	30,31,36	Plesman, A.	15
Fraser, D.	21	Post, G.B.	14
Gambarucci, E.	7	Poturzyn, A. Fischer von	2
Garner, H. Mason	4,8,15	Pride, A.M.	34
Gaudillère	35	Rand, Kurt	36
Göthart, B.	5,8,22	Rankin, R.H.	9
Gouge, A.	16,20	Ribnitz, W.	8,22
Gutsche, F.	5,7	Roberts, H.W.	35
Habnit, F.	36	Rosenberg, H.	37,40
Hall, T.P.	18,28	Rougeron, Camille	20
Hanson, J.	3	Sambras, A.	2,24

Samuels, F.E.	26	Sydow, J.	3,8
Sandifer, T.N.	21,39	Tangye, Nigel	12,33
Schmieden, C.	5	Thiel, H.	5
Schneider, Helmut	2	Thouzellier, E.	11,14,31
Schütl, H.	8	Truscott, S.	1,2,18,21
Seewald, F.	3,15	Verdurand, A.	14,15,35,37
Sheahan, B.W.	16,19,27	Vernon, F.C.	3,24
Shonts, J.G.	5	Victor, M.	38
Short, H.O.	38	Vladimirov, A.N.	8
Sikorsky, Igor	3,18,19,33,34	Vogt, I.	11
36		Vos, P.J.C.	15,36
Smith, F.H.	7,13	Ward, K.E.	1,20
Soennichsen, T.E.	3	Weinig, F.	2,19
Sottorf, W.	1,4,6,7	Wilkinson, P.H.	29,37
Steynis, J.	23	Williams, Gordon Sears	10,25
Storer, E.M.	7	Wimperis, H.E.	34
Streeter, J.	2,6,19	Young, R.	39,40
Stubblefield, B.	38	Zuerl, Walter	3,15,38
Stump, F.B.	35		